TOEROEK ASSOCIATES, INC.



October 19, 2016

Ms. Lisa Messinger, PG Task Order Contract Officer Representative Region 7, U.S. Environmental Protection Agency 11201 Renner Blvd. Lenexa, KS 66219-9601

Subject:

Activity Report for Well Abandonment at

Blackhawk Foundry & Machine Company Facility, Davenport, Iowa

Contract Number EP-W-13-002

Task Order 034, Technical Directive No. 4

Dear Ms. Messinger:

In accordance with Region 7 Task Order (TO) 0034, Technical Directive (TD) Number 4, received July 26, 2016, Toeroek Associates, Inc., and its team subcontractor, Tetra Tech Inc., (Tetra Tech) (Toeroek team) are pleased to provide this Activity Report documenting the well abandonment activities conducted at the former Blackhawk Foundry and Machine Company (Blackhawk) facility in Davenport, Iowa.

On September 13-14, 2016, Mr. John Simpson (Tetra Tech) oversaw the abandonment of eleven monitoring wells on the Blackhawk property and an adjacent property owned by the City of Davenport. The Toeroek team was accompanied on-site by Ms. Lisa Messinger, U.S. Environmental Protection Agency (EPA) Task Order Contract Officer Representative (TOCOR), and a representative of the property owner, US Assets, LLC.

During an initial site visit for facility surveying activities, the Toeroek team and EPA observed several groundwater monitoring wells present at the facility. Follow-up research by EPA indicated that up to 12 monitoring wells were previously installed at the facility. The Toeroek team contracted Terracon, an Iowa licensed well driller, to plug and abandon the monitoring wells.

During the initial visit, seven monitoring wells were positively identified for abandonment. The wells initially located included wells 1D, 1DD, #2, 2D, #4, 6, and 6D as identified on the attached map. Wells 6 and 6D were located on an adjacent property owned by the City of Davenport. The two off-site wells were surrounded by a chain-link fence enclosure. City personnel removed the fence enclosure prior to well abandonment activities.

Using the maps and documentation provided by EPA, four additional monitoring wells were located at the Blackhawk facility. These wells included: #3, 4D, #5, and 5D as identified on the attached map. The well identified as #1 on the map was not located and is assumed to have been previously abandoned.

A map showing the monitoring well locations is included as Attachment A, and photographic documentation of the well abandonment activities is included as Attachment B. Copies of well abandonment records filed with the Iowa Department of Natural Resources are included as Attachment C.

RCRA 10/19/2016



Lakewood, CO 80228 303-420-7735 Fax: 303-420-7658

300 Union Blvd., Suite 520

If you have any questions or need additional information, please call me at (816) 412-1772. Sincerely,

John R. Simpson, CHMM Technical Directive Manager

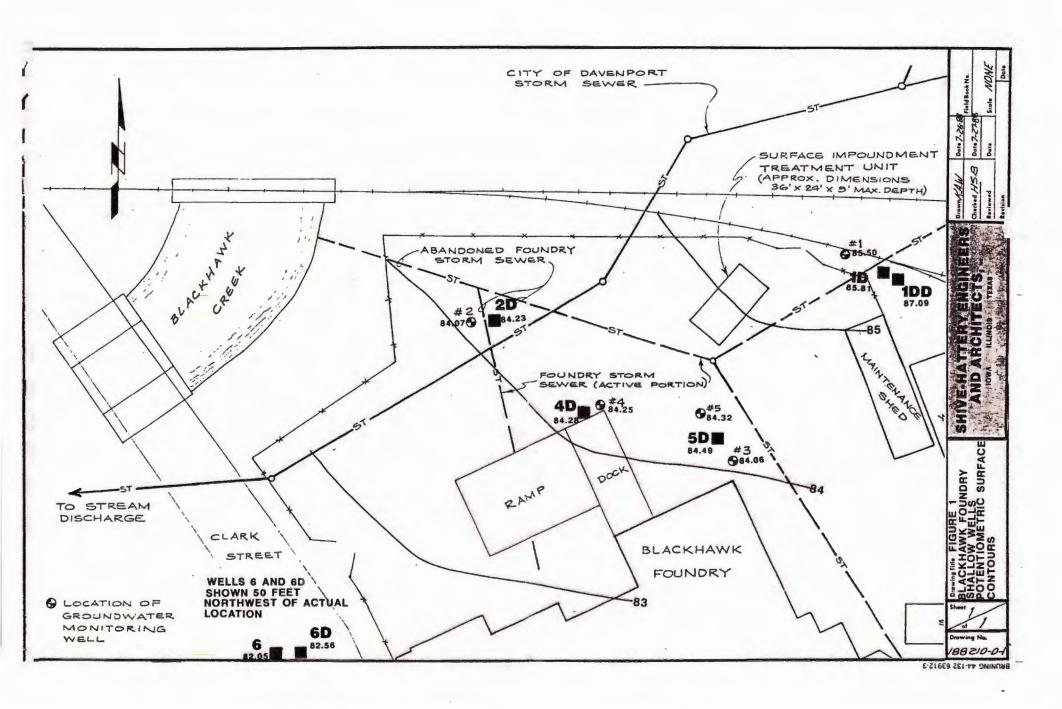
Attachment A - Site Plan with Well Locations

Attachment B - Photo Documentation

Attachment C - IDNR well abandonment records

cc: Jeannette Kerr, Regional Contracting Officer Representative
Kristy Throckmorton, EPA Task Order Contract Officer Representative
Craig Kish, Toeroek REPA Zone III Program Manager
Kathy Homer, Toeroek Team Regional Manager (cover letter only)

ATTACHMENT A SITE PLAN WITH WELL LOCATIONS



ATTACHMENT B PHOTOGRAPHIC DOCUMENTATION



RCRA Enforcement and Permitting	DESCRIPTION	This photograph shows the location of abandoned monitoring wells 6 and 6D.	1
Assistance (REPA) Zone 3 Task Order 034	CLIENT	U.S. Environmental Protection Agency (EPA), Region 7	Date 09/13/2016
Direction: Southwest	PHOTOGRAPHER	John Simpson	



REPA Zone 3	DESCRIPTION	This photograph shows the location of abandoned monitoring wells #2 and 2D.	2
Task Order 034	CLIENT	U.S. EPA, Region 7	Date
Direction: West	PHOTOGRAPHER	John Simpson	09/13/2016



REPA Zone 3	DESCRIPTION	This photograph shows the location of abandoned monitoring wells 1D and 1DD.	3
Task Order 034	CLIENT	U.S. EPA, Region 7	Date
Direction: Southeast	PHOTOGRAPHER	John Simpson	09/13/2016



REPA Zone 3	DESCRIPTION	This photograph shows the location of monitoring well #4.	4
Task Order 034	CLIENT	U.S. EPA, Region 7	Date
Direction: West	PHOTOGRAPHER	John Simpson	09/13/2016



REPA Zone 3	DESCRIPTION	This photograph shows the location of abandoned monitoring well #4.	5
Task Order 034	CLIENT	U.S. EPA, Region 7	Date
Direction: Southwest	PHOTOGRAPHER	John Simpson	09/14/2016



REPA Zone 3 Task Order 034	DESCRIPTION	This photograph shows the location of abandoned monitoring well 4D.	6
Task Older 034	CLIENT	U.S. EPA, Region 7	Date
Direction: West	PHOTOGRAPHER	John Simpson	09/13/2016



REPA Zone 3 Task Order 034	DESCRIPTION	This photograph shows the drilling rig removing the PVC casing of monitoring well 4D.	7
	CLIENT	U.S. EPA, Region 7	Date
Direction: South	PHOTOGRAPHER	John Simpson	09/13/2016



REPA Zone 3 Task Order 034	DESCRIPTION	This photograph shows the location of monitoring well #5.	8
	CLIENT	U.S. EPA, Region 7	Date
Direction: Southwest	PHOTOGRAPHER	John Simpson	09/14/2016



REPA Zone 3	DESCRIPTION	This photograph shows the location of abandoned monitoring well #5.	9
Task Order 034	CLIENT	U.S. EPA, Region 7	Date
Direction: East	PHOTOGRAPHER	John Simpson	09/14/2016



REPA Zone 3	DESCRIPTION	This photograph shows the location of abandoned monitoring well 5D.	10
Task Order 034	CLIENT	U.S. EPA, Region 7	Date
Direction: East	PHOTOGRAPHER	John Simpson	09/14/2016



REPA Zone 3	DESCRIPTION	This photograph shows the location of monitoring well #3.	11
Task Order 034	CLIENT	U.S. EPA, Region 7	Date
Direction: NA	PHOTOGRAPHER	John Simpson	09/14/2016



REPA Zone 3	DESCRIPTION	This photograph shows the location of abandoned monitoring well #3.	12
Task Order 034	CLIENT	U.S. EPA, Region 7	Date
Direction: NA	PHOTOGRAPHER	John Simpson	09/14/2016

ATTACHMENT C IDNR WELL ABANDONMENT RECORDS

1. Owner:							
Name:	Countrywide Holdi	ng, LLC	City:	Omaha		State:	Nebraska
Address:	405 N. 115th Stree	t #100	Zip:	68154	Phone:	(402) 399-9	049
Name: Ang	gela Eyrich						
Number:							
2. Well Lo	cation:						
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	of Owner; X	tractor comple	ixe!	Addir	Date P	lugged: <u>9-13</u>	3-16
I have pluc	ged this well as req	uired by rule 3	67-39	9.8 of the lo	wa Administ	rative Code (IAC).
_	e of Contractor:_	// //				No. 1011	
OR, If plug	ged by well owner, o	complete this t	OX:				
	erty owner has plu tive Code with the o						39.8 of the lowa
Signature	e of County Agen		Mary transferred to the second			Date Appro	ved:
Eligible for	Grants-to-Counties	cost share:	YES	S □ NO	(Determined	by County A	gent)
submit with	one form for each one 30 days to:	well plugged a	and				
Hylton Jack IDNR Conta 502 East 9 th	aminated Sites Section 6 Street	on					

1. Owner:		
Name: Countrywide Holding, LLC	City: Omaha	State: Nebraska
Address: 405 N. 115th Street #100	Zip: 68154 Phon	e: (402) 399-9049
Name: Angela Eyrich		
Number:		
2. Well Location:		
1/4 of,1/4 of, _sw1/4 of, SectionCounty, Description	33 , Twp. <u>78</u> N, R be well location on prop	
3. Description:		
	naterial: steel, (plastic)	concrete, clay, brick, stone
Depth to water: 8 ft.		(circle one)
Casing diameter: 2 in. Type of cons	ruction: drilled, driven	
Year or decade constructed:		(circle one)
Depth of casing: ft. Check ⊠	f this is a Monitoring We	Well ID: 1DD
I certify this well has been plugged as require agree to provide any additional information the Signature of Owner:	county or department in	e Plugged: 9-13-16
I have plugged this well as required by rule 5	7-39.8 of the Iowa Adm	nistrative Code (IAC).
Signature of Contractor:	Ce	rt. No. 10115
OR, If plugged by well owner, complete this		
The property owner has plugged this was Administrative Code with the oversight and a		
Signature of County Agent:		Date Approved:
Eligible for Grants-to-Counties cost share:	YES NO (Determi	ned by County Agent)
Complete one form for each well plugged a submit within 30 days to:	nd	
Hylton Jackson IDNR Contaminated Sites Section 502 East 9th Street Des Moines, IA 50319		

1. Owner:	
Name: Countrywide Holding, LLC	City: Omaha State: Nebraska
Address: 405 N. 115 th Street #100	Zip: 68154 Phone: (402) 399-9049
Name: Angela Eyrich	
Number:	
2. Well Location:	
	on 33, Twp. 78 N, Range 03 West/East circle one escribe well location on property:
3. Description:	
Well depth: 30 ft. Cas	ing material: steel, (plastic) concrete, clay, brick, stone
Depth to water: 9 ft.	(circle one)
	onstruction: drilled, driven, bored, dug, augered
Year or decade constructed:	(circle one)
Depth of casing: ft. Check	☑ if this is a Monitoring Well Well ID: 2
Signature of Owner: X ()	Axel Adoir Date Plugged: 9-13-16
I have plugged this well as required by ru	le 567-39.8 of the Iowa Administrative Code (IAC).
	Cert. No. 10115
OR, If plugged by well owner, complete the	nis box:
	well following requirements in rule 567-39.8 of the lower ad assistance of the designated county agent.
Signature of County Agent:	Date Approved:
Eligible for Grants-to-Counties cost share	: YES NO (Determined by County Agent)
Complete one form for each well plugge submit within 30 days to:	ed and
Hylton Jackson IDNR Contaminated Sites Section 502 East 9th Street Des Moines, IA 50319	

1. Owner:		W				
Name: Countrywide	Holding, LLC	City:	Omaha		State:	Nebraska
Address: 405 N. 115 th	Street #100	Zip:	68154	Phone:	(402) 399-9	049
Name: Angela Eyrich						
Number:						
2. Well Location:						
1/4 of,1/4 of, _s Scott	w_1/4 of, Section County, De		attender of the last	nadar .		Vest/East circle on
3. Description:		·				
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	9 ft.				(circle one)	
	2 in. Type of co	nstruction	on: drilled			augered
Year or decade construc	The state of the s				(circle one)	
Depth of casing:	ft. Check	⊠ if this	s is a Monit	oring Well	Well ID: _2	2D
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I have plugged this well a	s required by	6 567-30	8 of the lo	wa Administ	rative Code (IAC)
Signature of Contract	/(_	lito			No. 1011	
OR, If plugged by well ow	ner, complete th	is box:				
The property owner ha Administrative Code with						
Signature of County A	gent:				Date Appro	ved:
Eligible for Grants-to-Cou	nties cost share:	☐ YE	S D NO	(Determined	by County Ag	gent)
Complete one form for e submit within 30 days to:						Emple & Comment of the Comment of th
Hylton Jackson IDNR Contaminated Sites 502 East 9 th Street Des Moines, IA 50319	Section					

1. Owner:								
Name:	Country	wide Holding, L	C CH	y: 0	maha		State:	Nebraska
Address:	405 N.	115 th Street #100) Zi	p: 6	8154	Phone:	(402) 399-	9049
Name: Ang	gela Eyri	eh						
Number:								
2. Well Lo	cation:							
	1/4 Scott	of, sw_1/4 of, County	-				e 03 \ well was	West/East kircle on plugged
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Signature	of Cou	inty Agent:					Date Appro	oved:
Eligible for	Grants-t	o-Counties cost	share: 🔲 `	YES .	□NO (Determined	by County A	gent)
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Hylton Jack IDNR Conta 502 East 9 th	aminated Street	Sites Section						

1. Owner:		
Name: Countrywide Holding, LLC	City: Omaha	State: Nebraska
Address: 405 N. 115th Street #100	Zip: 68154 Phone: (4	402) 399-9049
Name: Angela Eyrich		
Number:		
2. Well Location:		
1/4 of,1/4 of, _sw_ 1/4 of, Sectio	1 33 , Twp. 78 N, Range	03 West/East circle one
Scott County, Des	cribe well location on property:	
3. Description:		
Well depth: 9 ft. Casir	g material: steel, (plastic) concr	ete, clay, brick, stone
Depth to water: 8.5 ft.		ircle one)
Casing diameter: 2 in. Type of cor	struction: drilled, driven, bore	d, dug, augered
Year or decade constructed:		rcle one)
Depth of casing: ft. Check I	if this is a Monitoring Well	Well ID: 4
Signature of Owner: X ()		ged: <u>9-13-16</u>
I have plugged this well as required by fule	567-39 8 of the lowe Administrati	ve Code (IAC)
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Signature of Contractor:	Cert. No.	10115
OR, If plugged by well owner, complete this	box:	
The property owner has plugged this Administrative Code with the oversight and	vell following requirements in	rule 567-39.8 of the lowe
Signature of County Agent:	De	ate Approved:
Eligible for Grants-to-Counties cost share:	☐ YES ☐ NO (Determined by	County Agent)
Complete one form for each well plugged		-
submit within 30 days to:		
Hylton Jackson		
DNR Contaminated Sites Section 502 East 9th Street		
Des Moines, IA 50319		

1. Owner:						
Name:	Countrywide Hold	ing, LLC	City:	Omaha		State: Nebraska
Address:	405 N. 115th Stree	at #100	Zip:	68154	Phone:	(402) 399-9049
Name: An	gela Eyrich					
Number:						
2. Well Lo						
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	Scott C	County, Descr	ibe w	eli location	on property:	
3. Descrip	ption:					
	depth: 28.5 ft.	Casing	mate	rial: steel,	(plastic) co	oncrete, clay, brick, stone
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	ecade constructed:					(circle one)
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OR, If plug	ged by well owner,	complete this t	oox:			
	erty owner has plu tive Code with the o					in rule 567-39.8 of the low county agent.
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Eligible for	Grants-to-Counties	cost share:	YES	S □ NO	(Determined	by County Agent)
Complete d	one form for each					
Hylton Jack	kson aminated Sites Section Street	on				

1. Owner:							
Name:	Country	wide Holding, LI	C City:	Omaha		State:	Nebraska
Address:	405 N. 1	15th Street #100	Zip:	68154	Phone:	(402) 399-	9049
Name: Ang	ela Evric	h					
Number:		the by containing a measure of the second part of t	· · · · · · · · · · · · · · · · · · ·				
2. Well Lo	cation:						
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	Scott	County	, Describe w	ell location	on property:	well was	plugged
3. Descrip	otion:						
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		not possible				(circle one)	
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Depth of	casing:	ft.	Check ⊠ if	this is a Mo	nitoring Wel	Well ID:	5
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OR, If plug	ged by we	ell owner, comp	ete this box:				
		r has plugged with the oversig					-39.8 of the lowa
Signature	of Cou	nty Agent:				Date Appro	oved:
Eligible for	Grants-to	-Counties cost	share: YE	S 🗆 NO	(Determined	by County A	Agent)
Complete submit with		for each well p	lugged and				
Hylton Jack IDNR Conta 502 East 9th Des Moines	minated S Street	Sites Section					

1. Owner:							
Name:	Countrywide	Holding, LLC	City:	Omaha		State:	Nebraska
Address:	405 N. 115 th	Street #100	Zip:	68154	Phone:	(402) 399-	9049
Name: Ang	gela Eyrich						
Number:							
2. Well Lo	cation:						
	1/4 of, _s Scott	w_1/4 of, Sect County, D			-	e 03 \ well was	West/East (circle on plugged
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	r decade cons					(circle one)	
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Signature	of County A	gent:				Date Appro	ved:
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	one form for e	ach well plugg	ed and				
Hylton Jack	son minated Sites Street	Section					

1. Owner:						
Name:	City of Davenport	City:	Davenport		State: lowa	
Address:	1200 E. 46th Street	Zip:	52807	Phone:	(563) 326-7786	per-series for the
Name: Bria	an Schadt	vene v				
Number:	to the desiremental and the second	Mindy game	18.456500000000000000000000000000000000000	hippings (File) sprant the Board delivers abstract		
2. Well Loc						
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Depth to Casing dia Year or de Depth of o I certify this agree to pro Signature If plugged i I have plug Signature	water: 9.5 ft. meter: 2 in. Type of concecade constructed: casing: ft. Check well has been plugged as required any additional information of Owner: by certified well contractor, compaged this well as required by rules of Contractor:	if thi red by the countries the countries the polete th	on: drilled, s is a Monito rule 567-39. inty or depar	driven, boring Well B of the low tment mayDate F	a Administrative Code (need concerning this wellugged: 9-13-16	IAC). I
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Signature	of County Agent:				_Date Approved:	
Eligible for	Grants-to-Counties cost share:	☐ YE	S NO (Determined	by County Agent)	
submit with	one form for each well plugged nin 30 days to:	d and	No. 2			
IDNR Conta 502 East 9 th Des Moines	aminated Sites Section Street					

1. Owner:					MANAGAMAN PROPERTY OF THE PROP	
Name:	City of Davenport	City:	Davenport		State:	lowa
Address:	1200 E. 46th Street	Zip:	52807	Phone:	(563) 326-	-7786
Name: Bria	an Schadt					
Number:					gillang 00000 man dari dalah ku kulan sa gilansi kurkan pa	
2. Well Lo	cation:					
-	1/4 of, _sw _1/4 of, Section Scott County, De	-	ariovenus allevin		- Annual Contract of the Contr	West/East kircle one
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submit with	one form for each well plugge hin 30 days to:	ed and				- Allerian - Land
502 East 9t	aminated Sites Section					